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Oct. 20, 1965

A Group,
GENERAL

Petrography of specimen #58' from DDH, A#
Swain Lakes

Mode:

- 40% — Quartz — undulose extinction diagnostic
of staining of quartz — probably
during metamorphism and folding.
- 40% — Sulfides — pyrite, galena, sphalerite
- 20% — Carbonate — brownish, dirty color
- Sericite — minor
- Carbonaceous material — minor

Texture:

Consists of two varieties of alternating, thin bands. One set of bands is a quartz mosaic with minor sericite and massive to disseminated sulfide replacement of less than 50 percent. The other set of bands is fine to coarse-grained carbonate with massive to disseminated sulfide replacement greater than 50 percent. Less than 20 percent consists of quartz and sericite.

The rock is schistose with elongate quartz crystals and sulfide crystals lying in the schistosity. Only rare, coarse-grained, carbonate grains cut the schistosity.